

IN THE CLAIMS

Please amend claims 1-9 and add new claims 10-18 as shown below in a clean version of the entire set of pending claims per 37 CFR § 1.121(c)(3). A marked-up copy of the claim(s) changed by this amendment, showing all changes made relative to the previous version of the claim(s), accompanies this paper on separate sheets entitled "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

Sub  
C1  
B1

1. (AMENDED) A body-worn personal communications apparatus, comprising:

a physically-shortened electric antenna;  
a transceiver connected to said physically-shortened electric antenna;  
a microphone connected to said transceiver; and  
a casing,

wherein said transceiver is disposed within said casing, and  
wherein said physically-shortened electric antenna and said  
microphone are mounted on said casing.

2. (AMENDED) The apparatus of claim 1, wherein said physically-shortened electric antenna is a helical antenna.

3. (AMENDED) The apparatus of claim 1, wherein said physically-shortened electric antenna is a meander-line antenna.

Sub  
C1  
B2

4. (TWICE AMENDED) The apparatus of claim 1, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.

5. (TWICE AMENDED) The apparatus of claim 1, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

B3  
Sub C

6. (AMENDED) The apparatus of claim 5, wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.

7. (AMENDED) The apparatus of claim 5,  
wherein said physically-shortened electric antenna is formed from a hollow wire,  
wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and  
wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.

8. (AMENDED) The apparatus of claim 6, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.

B4 Sub C

9. (TWICE AMENDED) The apparatus of claim 5, wherein said microphone provides a top loading to said physically-shortened electric antenna.

Sub C  
B5

10. (NEW) A body-worn personal communications apparatus,  
comprising:  
a casing;  
a physically-shortened electric antenna mounted on said casing; and  
a microphone mounted on said physically-shortened electric antenna.

11. (NEW) The apparatus of claim 10, wherein said physically-shortened electric antenna is a helical antenna.

12. (NEW) The apparatus of claim 10, wherein said physically-shortened electric antenna is a meander-line antenna.

13. (NEW) The apparatus of claim 10, wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing.

14. (NEW) The apparatus of claim 10, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

15. (NEW) The apparatus of claim 10, further comprising:  
a transceiver,  
wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.

16. (NEW) The apparatus of claim 15, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.

17. (NEW) The apparatus of claim 10, further comprising:  
a transceiver,  
wherein said physically-shortened electric antenna is formed from a hollow wire,  
wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and  
wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.

18. (NEW) The apparatus of claim 10, wherein said microphone provides a top loading to said physically-shortened electric antenna.